

## **ABSTRACT OF THE DISCLOSURE**

An apparatus and method for distributing multiple clock signals to multiple devices using an encoded clock signal is provided. A source clock signal can be encoded to result in an  
5 encoded system clock. The encoded system clock can be distributed to multiple devices in a computer system. The devices can decode the encoded system clock signal to generate a system clock signal and a global clock signal. The system clock signal and the global clock signal can then be distributed to their respective clock loads on each device. In certain embodiments, additional information, such as state information, can be encoded into the encoded system clock.  
10 A device can be configured to decode the additional information and can alter its state accordingly.

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